

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by:

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GENERAL INFORMATION:

Name:	Stonehouse Building Products L. L. C.
Address:	8025 Bluegrass Drive, Florence, KY 41020
Date application received:	March 05, 2004
SIC/Source description:	3089
AFS(10-digit) Plant ID:	21-015-00144
Application log number:	56382
Permit number:	V-04-020

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input checked="" type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input checked="" type="checkbox"/> NESHAPS	<input checked="" type="checkbox"/> Other, MACT 40 CFR 63, Subpart WWWW

MISCELLANEOUS:

☐ Acid rain source

☐ Source subject to 112(r)

☒ Source applied for federally enforceable emissions cap

☐ Source provided terms for alternative operating scenarios

☒ Source subject to a MACT standard

☐ Source requested case-by-case 112(g) or (j) determination

☐ Application proposes new control technology

☒ Certified by responsible official

☒ Diagrams or drawings included

☐ Confidential business information (CBI) submitted in application

☐ Pollution Prevention Measures

☒ Area is non-attainment (list pollutants): **Ozone**

EMISSIONS SUMMARY:

Pollutant	Allowable Emissions (tpy)	Potential Emissions (tpy)
Criteria Pollutants:		
PM/PM ₁₀	5.36	5.36
SO ₂	0.027	0.027
NO _x	4.38	4.38
CO	3.78	3.78
VOC	95*	530
HAPS:		
Styrene	NA	225
Dimethyl Phthalate	NA	31.64
MEK	NA	5.0
MIBK	NA	32
Methyl Methacrylate	NA	161.0
Combined HAPS	95**	461

* Source has accepted an allowable of 95 tons of VOC per year.

**The VOC will primarily be comprised of a combination of HAPS.

The total of these two HAPS and other HAPS listed above will not exceed 95 tons per year based on the restrictions in the permit.

TOXIC SUMMARY:

TOXIC	PTE CONC. UG/M**3	PRG# UG/M**3	PTE CONC.<PRG#
STYRENE	69.05	1100	YES
MIBK	9.88	83	YES
MEK	1.50	1000	YES
METHYL METHACRYLATE	50	730	YES
DIMETHYL PHTHALATE	9.67	37,000	YES

SOURCE PROCESS DESCRIPTION:

Stonehouse uses processes and materials that are typical for the reinforced plastic composite (RPC) industries. The primary production emissions units at the proposed new Stonehouse facility include: (a) spray applications of gel coat; and (b) polymer casting operations with resins and filler. Other activities with small amounts of air emissions include fabrication, mold making, clean-up operations (acetone), and natural gas combustion for heating.

EMISSION AND OPERATING CAPS DESCRIPTION:

- 1 The source has accepted a facility-wide cap on annual VOC emissions of no more than 95 tons per rolling 12-month period to preclude 401 KAR 50:012. Compliance with emissions cap will be demonstrated with record keeping and emissions estimating methodology specified in the terms and conditions of the permit.

- 2 The source has accepted a facility-wide cap on annual HAPS emissions of no more than 95 tons per rolling 12- month period. This limitation, per 40 CFR 63.5805 (c), will allow the facility to use low-HAP content materials to meet specific emissions limitations listed in table 3 of this rule. In addition, the facility will also have to comply with work practice standards listed in table 4.